

From glowbugs@theporch.com Thu Jan 2 22:49:17 1997
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1])
by uro.theporch.com (8.8.4/AUX-3.1.1)
with SMTP id WAA03393;
Thu, 2 Jan 1997 22:34:02 -0600 (CST)
Date: Thu, 2 Jan 1997 22:34:02 -0600 (CST)
Message-Id: <199701030430.XAA07837@news2.mnsinc.com>
Errors-To: ws4s@infoave.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 402
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 402

Topics covered in this issue include:

- 1) Re: Hello to all
by Mike Toneri <toneri@ils.net>
- 2) Re: When I get bigger...
by mack@mails.imed.com
- 3) TV-7 tube tester fuse lamp bulb --- what is it?
by rdkeys@csemail.cropsci.ncsu.edu
- 4) Vfos and what would YOU do for a good general one?
by rdkeys@csemail.cropsci.ncsu.edu
- 5) 22 1/2V batteries: \$5
by jeffd@coriolis.com (Jeff Duntemann)
- 6) Re: Vfos and what would YOU do for a good general one?
by Bob Roehrig <broehrig@admin.aurora.edu>
- 7) Re: 22 1/2V batteries: \$5
by John Kolb <jlkolb@cts.com>
- 8) Re: Vfos and what would YOU do for a good general one?
by Conard Murray <ws4s@InfoAve.Net>
- 9) Whoopsies on battery voltage
by jeffd@coriolis.com (Jeff Duntemann)
- 10) Re: Whoopsies on battery voltage
by aa7ya@juno.com (Stacey T Hanrahan)
- 11) Re: Vfos and what would YOU do for a good general one?
by Conard Murray <ws4s@InfoAve.Net>
- 12) Re: Vfos and what would YOU do for a good general one?
by Bob Roehrig <broehrig@admin.aurora.edu>

- 13) Re: 22 1/2V batteries: \$5
by jeffd@coriolis.com (Jeff Duntemann)
- 14) Re: Vfos and what would YOU do for a good general one?
by "Stephen M. Linscott" <linscot@is.rice.edu>
- 15) Re: Vfos and what would YOU do for a good general one?
by Murray Kelly <mkelly@faraday.dialix.com.au>
- 16) NC-183 Restoration
by TMOLL@aol.com
- 17) Re: Whoopsies on battery voltage
by Robert Paschal <r-paschal@worldnet.att.net>
- 18) Re: Vfos and what would YOU do for a good general one?
by "Brian Carling" <bry@mail1.mnsinc.com>
- 19) Re: Vfos and what would YOU do for a good general one?
by "Brian Carling" <bry@mail1.mnsinc.com>
- 20) Modulation and the Push-Pull Amp
by Conard Murray <ws4s@InfoAve.Net>
- 21) Re: Vfos and what would YOU do for a good general one?
by Conard Murray <ws4s@InfoAve.Net>
- 22) Re: Schematic needed
by Doug <doug@sunrise.alpinet.net>
- 23) Re: NC-183 Restoration
by Bob Roehrig <broehrig@admin.aurora.edu>
- 24) Re: Schematic needed
by "Brian Carling" <bry@mail1.mnsinc.com>

Date: Thu, 2 Jan 1997 09:21:27 -0500 (GMT-0500)
From: Mike Toneri <toneri@ils.net>
To: bry@mnsinc.com
Cc: glowbugs@theporch.com
Subject: Re: Hello to all
Message-ID: <199701021421.JAA10824@server1.ils.net>

At 03:27 AM 1/2/97 +0000, Brian Carling wrote:

>Hello Mike - good to see you on here.

>

>That is one rig I have never tried, and have never worked anyone on
>the air using one.

>

>In fact I don't think I have ever worked anyone who was using the old
>line-powered, transformerless xmtrs!

>

>It should be fun.

>

>I worked a couple of warbly signals during SKN yesterday though. Wow!
>VE3RNN and AA1HB were both wobblulating all over the place but I
>managed to work them both.

>

>Sometimes I wonder what happens to these older tube rigs when they do
>that. It sounds like they have a loose or dirty contact in a
>bandswitch or a variable capacitor contact or something like that!
>Maybe capacitors breaking down, who knows!

>

Hi Brian. Sometimes the crystals are not too good and they will wobble in frequency when keyed. I did not get to operate SKN this year due to having to work all night. Maybe next year with the little Johnson Adventurer tx. 73...Mike

Mike & Lynda Toneri E-mail: toneri@ils.net

Date: Thu, 02 Jan 97 09:02:08 cst

From: mack@mails.imed.com

To: glowbugs@theporch.com, mjsilva@ix.netcom.com

Subject: Re: When I get bigger...

Message-ID: <9700028522.AA852224385@mails.imed.com>

I think we already have found a few of the likely ones. Ben Hall is the most prominent one over on the BA list. Ben wasn't even born when consumer use of tubes died. His interest was spurred by his grandfather. (Just like me!, but I'm much older).

Like you, I am doing my part by exposing all 3 kids to the joys of radio. I guess the secret is to start them very young.

Ray Mack

WD5IFS

mack@mails.imed.com

<snip>

>Seriously, anybody have success in getting transistor-era kids
>interested in tubes? Or, any of said transistor-era folks here on the
>list to tell their stories?

>73,

>Mike, KK6GM

Date: Thu, 2 Jan 1997 15:52:55 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: TV-7 tube tester fuse lamp bulb --- what is it?
Message-ID: <9701022052.AA116208@csemail.cropsci.ncsu.edu>

I have a nice TV-7 tube tester, but alas, no manual. Can anyone tell me what the value of that little fuse lamp bulb on the panel is? It looks like an ordinary auto dome light, but I am not sure.

Thanks/Bob/NA4G

Date: Thu, 2 Jan 1997 16:51:56 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: glowbugs@theporch.com
Cc: rdkeys@csemail.cropsci.ncsu.edu ()
Subject: Vfos and what would YOU do for a good general one?
Message-ID: <9701022152.AA116289@csemail.cropsci.ncsu.edu>

Holiday thinkin' an' head bangin' brought me to the conclusion that I need a good general purpose VFO --- something that would put out maybe half a watt, and be good for replacing the xtals in any old rig of happenstance.

Requirements:

0. Must be a glowebugge device.....(:+{}.....
1. 160/80/40/30m output directly, with frequency coverage for all the new proposed warc band (that basically means anything between 1.5 and 12 mhz), via multiplying or heterodyning.
2. 0.5 watt output into a 50 ohm load, with tuning non-critical or with a peaking control (single control besides vfo master frequency control). It should be possible to loosely couple or adjust coupling to give any desired drive for replacing a xtal oscillator.
3. Power inputs to be 6.3 vac/vdc or 12.6 vac/vdc (depending upon tubes or lineup), and 250-300vdc unregulated, so line, external power supply, or dynamotor/vibrator power would work.
4. Keying to be at the oscillator level with anything from a -30vdc to more grid block or a relay to key, for QSK, mandatory.

5. Size is unimportant, but good general stability is. It should be possible to use the device as a calibrated frequency standard if it is not being used as a vfo (but, the use of a detector system is not required --- that is what LM's and BC-221's are for).
6. Exact dial calibration is not required, although, good precision dials would be of use. A 0-1000 dial would be fine, or maybe some sort of inexpensive dial drive more precision than a Velvet Vernier.

I have my own pet ideas about how this should be done or mebbe I would do it, but for the sake of glowbugge discussion, let us hear how YOU would do it, what tubes you might use, how you might adapt surplus parts, how you might tackle exotic parts, etc.

One of the reasons for discussing this is to supplement the growing herd of single tubers with tv rocks in them, for flexibility.

Some of this was discussed back before xmas, but I think it is a worthy thread to spin around some more.

73/ZUT DE NA4G/Bob UP

Date: Thu, 2 Jan 1997 13:47:54 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: glowbugs@theporch.com
Subject: 22 1/2V batteries: \$5
Message-ID: <1.5.4.32.19970102134119.0097168c@ntserver.coriolis.com>

Hi gang--

In flipping through the latest American Science and Surplus catalog this afternoon, I see they're offering Burgess #4156 dry B batteries (45V) for \$5 each. Two of these will definitely run a serviceable regen, and one may work lamely. (I got a 3V4 regen to work once on 22.5V.)

No idea from the catalog how long these have been sitting around.

Their catalog number for the battery is 25459, shown on page 67 of catalog 100.

American Science and Surplus
3605 Howard Street

Skokie IL 60076

708-982-0870 phone orders
800-934-0722 FAX

I hate to be a grump, but there's not much else of significant value in the catalog.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 2 Jan 1997 15:07:00 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: rdkeys@csemail.cropsci.ncsu.edu
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: Vf0s and what would YOU do for a good general one?
Message-ID: <Pine.ULT.3.95.970102150154.6746B-100000@admin.aurora.edu>

On Thu, 2 Jan 1997 rdkeys@csemail.cropsci.ncsu.edu wrote:

> Holiday thinkin' an' head bangin' brought me to the conclusion that I need
> a good general purpose VF0 --- something that would put out maybe half a
> watt, and be good for replacing the xtals in any old rig of happenstance.

I think I would have the VF0 on one frequency range only and hetrodyne to whatever is needed. Probably use the famous 5-5.5 VF0. From what I have seen (for example the Heath VF-1) one of the major sources of instability is poor bandswitching methods in the variable osc stage itself.

For a dial, I would prefer one of the NATIONAL PW dials. Another good dial is the micrometer dial such as used in the Lampkin freq meters (I made a VF0 out of one of those and it's fantastic)!

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Thu, 2 Jan 1997 13:10:45 -0800 (PST)
From: John Kolb <jlkolb@cts.com>
To: Jeff Duntemann <jefffd@coriolis.com>

Subject: Re: 22 1/2V batteries: \$5

Message-ID: <Pine.SCO.3.91.970102130907.6512A-1000000@sd.cts.com>

On Thu, 2 Jan 1997, Jeff Duntemann wrote:

> Their catalog number for the battery is 25459, shown on page 67 of catalog 100.
>

> American Science and Surplus

> 3605 Howard Street

> Skokie IL 60076

>

> 708-982-0870 phone orders

> 800-934-0722 FAX

>

The area code 708 has been changed to 847. Getting past that, I found their automated phone system catalog ordering mailbox was full and not accepting entries.

John

Date: Thu, 02 Jan 1997 15:29:49 -0500

From: Conard Murray <ws4s@InfoAve.Net>

To: rdkeys@csemail.cropsci.ncsu.edu,

Subject: Re: Vf0s and what would YOU do for a good general one?

Message-ID: <2.2.32.19970102202949.00a383e0@infoave.net>

Hi Bob and the group,

I am in need of the same sort of device.

I definitely think heterodyne mixing is the way to go.

Lots less chirp with VFO on a different frequency than the transmitter is on! My first impulse is to key the xtal and let the VFO run, but the different xtals for each band might cause keying problems ... especially on the higher-frequency ones. The problem is trying to pick VFO and xtal frequencies that won't cause mixing products that will blow through the output filter while getting output on 160/80/40 and 30.

Harmonic operation may have to be used on a band or two and some bands might tune backwards too.

The biggest thorn I see is 30 meter coverage. The 5 MHz VFO is a good choice for the 'old' bands, but 30 meter coverage would be a problem unless the VFO was used at 2X it's frequency for that band and that would require the VFO to be keyed ... which is no real problem either.

Looks like we have a real challenge here folks ...

73 de Conard WS4S

.-.-.-.-.-.
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him <>< .
. -.-.-.-.-.

Date: Thu, 2 Jan 1997 14:47:50 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: glowbugs@theporch.com
Subject: Whoopsies on battery voltage
Message-ID: <1.5.4.32.19970102144115.00f2da48@ntserver.coriolis.com>

In my last posting I mis-typed the voltage of the Burgess dry battery being sold by American Science and Surplus. It's supposed to be 22 1/2V. Perhaps due to wishful thinking I listed it as 45V.

I usually make more sense than that, sigh.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 2 Jan 1997 15:09:48 MST
From: aa7ya@juno.com (Stacey T Hanrahan)
To: jeffd@coriolis.com
Cc: glowbugs@theporch.com
Subject: Re: Whoopsies on battery voltage
Message-ID: <19970102.151109.5367.0.aa7ya@juno.com>

On Thu, 2 Jan 1997 15:48:54 -0600 (CST) jeffd@coriolis.com (Jeff

Duntemann) writes:

>In my last posting I mis-typed the voltage of the Burgess dry battery
>being sold by American Science and Surplus. It's supposed to be 22
1/2V.
>Perhaps due to wishful thinking I listed it as 45V.
>
>I usually make more sense than that, sigh.

Two of them comes to 45V... :)

>
>--73--
>
>--Jeff Duntemann KG7JF
> Scottsdale, Arizona

Warm temps today here in the Northland (Montana)... Came
from outside, and checked the gauge in the shack, it is now
35 above.... At least Mother Nature gave us the keys out of
the "cold storage".

Stacey, AA7YA
A very WHITE, Whitetail, Montana

Date: Thu, 02 Jan 1997 16:30:47 -0500
From: Conard Murray <ws4s@InfoAve.Net>
To: n4Lq@igLou.com
Cc: glowbugs@theporch.com
Subject: Re: Vfcs and what would YOU do for a good general one?
Message-ID: <2.2.32.19970102213047.0076fb04@infoave.net>

At 05:58 PM 1/2/97 -0800, Steve Ellington wrote:

>What about a vfo with two small, fast reed relays in the output? One
>would break the output when the key is up and the other would short the
>output to ground when the key is up. The preceeding stages could be
>biased so as to cut off with no osc input.
>
>This method would allow the osc. to run constantly and hopefully,
>shorting the output would prevent stray radiation. If shielding were
>good enough, one could even use it qsk with no osc. signal pickup in the
>receiver.
>
>What think ye?
>
>Steve N4LQ

>

Maybe a possibility here, but the relays would have to handle the output power of the VFO and the VFO would be seeing a drastic load change too.

Conard

.-.-.-.-.-
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him <>< .
. -.-.-.-.-

Date: Thu, 2 Jan 1997 16:52:17 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Conard Murray <ws4s@infoave.net>
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: Vfos and what would YOU do for a good general one?
Message-ID: <Pine.ULT.3.95.970102165109.14452B-100000@admin.aurora.edu>

On Thu, 2 Jan 1997, Conard Murray wrote:

> I definitely think heterodyne mixing is the way to go.
> Lots less chirp with VFO on a different frequency than the transmitter is
> on! My first impulse is to key the xtal and let the VFO run, but the
> different xtals for each band might cause keying problems ... especially on
> the higher-frequency ones.

My first choice would be to key the mixer in a heterodyne unit, 2nd choice would be the xtal osc.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Thu, 2 Jan 1997 16:52:20 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: Sandy W5TVW <ebjr@worldnet.att.net>
Cc: glowbugs@theporch.com
Subject: Re: 22 1/2V batteries: \$5
Message-ID: <1.5.4.32.19970102164544.00f2d5ac@ntserver.coriolis.com>

>>In flipping through the latest American Science and Surplus catalog this
>>afternoon, I see they're offering Burgess #4156 dry B batteries (45V) for \$5
>>each. Two of these will definitely run a serviceable regen, and one may
>>work lamely. (I got a 3V4 regen to work once on 22.5V.)

> What size are they? Small or large or ???

Hard to tell from a crude catalog drawing, but I would guess about 2" X 2" X
4", with binding-post terminals on top.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 2 Jan 1997 17:54:54 -0600 (CST)
From: "Stephen M. Linscott" <linscot@is.rice.edu>
To: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Vf0s and what would YOU do for a good general one?
Message-ID: <Pine.SOL.3.91.970102174757.17461B-100000@is.rice.edu>

Bob - the Franklin VF0 is a good one. There were some articles in QST in
the early 60's (I think) by a W2 who built his whole CW station from
scratch. One of the articles was a Franklin VF0. I've got copies
somewhere, if I can find them. He also had a tube and relay "transmitter
turner-onner" (he called it), that provided QSK operation. I'll try to
find the articles. BTW, my latest toy is an NCX-5. A very impressive rig.

73 de W5EGP

- Steve -

* Steve Linscott Divisional Consultant Natural Sciences *
* IS User Services Rice University Houston, Texas *

Date: Fri, 03 Jan 1997 10:07:22 +1100
From: Murray Kelly <mkelly@faraday.dialix.com.au>
To: ws4s@infoave.net

Subject: Re: Vfos and what would YOU do for a good general one?
Message-ID: <32CC3FAA.9A9@faraday.dialix.com.au>

Conard Murray wrote:

> The biggest thorn I see is 30 meter coverage. The 5 MHz VFO is a good choice
> for the 'old' bands, but 30 meter coverage would be a problem unless the VFO
> was used at 2X it's frequency for that band and that would require the
> VFO to be keyed ... which is no real problem either.
> Looks like we have a real challenge here folks ...
> 73 de Conard WS4S

Key the doubler?

* Murray Kelly vk4aok mkelly@faraday.dialix.com.au *
* 29 Molonga Ter. / Graceville/ QLD. 4075/ Australia *
* ph/fax Intl+ 61 7 3379 3307 mobile 018 071 355 *

Date: Thu, 2 Jan 1997 19:12:36 -0500
From: TMOLL@aol.com
To: glowbugs@theporch.com
Subject: NC-183 Restoration
Message-ID: <970102191235_2087943797@emout18.mail.aol.com>

Hi All -

My cousin Steve WA0BPU recently gave me an old S38C (he felt guilty because I let him buy my favorite tube AM/FM stereo about 20 years ago and he won't return it). I cleaned it up and it was like finding Raquel Welch face down in a mud puddle, washing her off, and walla - look what you got !!!! Its pretty cool. So anyway, that convinces me to retrieve my old NC-183 from the farm where it has been growing mold since I retired it in 1976 (I bought it used in 1963 as a lad of 13). This looks like a bit more work! I removed the insects that had made it home for 20 years, took the cobwebs out, and removed the mold that completely covered the outside. Raquel Welch she aint - more like Marylin Chambers (have you seen her lately? - a bit worse for the wear!). Anyway - some observations and questions. The pots in this thing were apparently some "premium grade". They are almost completely sealed - can't even find a spot to squirt some contact cleaner in to most of them. The old style hand laced wiring harness is quite a sight to see - that took some practice and patience! There are lots of capacitors in here! Many are paper and wax style - should these be replaced out of general principle like the electrolytics? Curiously, there are quite a few caps that are shown in the manual picture and the parts list as paper type, but are actually micas in the radio. Was this type of substitution common? I am sure they are all originals. What should they be replaced with? Mylars or micas? Or does it

matter? Some of the mica caps that have this bakelite like case material are cracked apart at the seam - I assume these should go without question. Another curious feature, is that on the underside of V9 socket, pin 4, (the cw oscillator tube), there is a 2 inch long piece of bare copper wire just sticking out into space. Any ideas what this might be for or why it is there? Any tips or insights into how I should approach restoring this beast would be greatly appreciated. The unit is essentially non-functional - there is VERY little audio and can only hear a few VERY faint signals on 80m. These signals are strong on my other radios. What about resistors? Do they age gracefully? A couple show signs of excess heat and will be replaced for sure. Since my "new" Viking Navigator just showed up today, I am anxious to get this boat anchor in working condition again. TIA for any suggestions.
Tom Moll N0BS

Date: Fri, 3 Jan 1997 01:09:48 +0000
From: Robert Paschal <r-paschal@worldnet.att.net>
To: jeffd@coriolis.com
Cc: glowbugs@theporch.com
Subject: Re: Whoopsies on battery voltage
Message-ID: <19970103010945.AAA12610@LOCALNAME>

At 09:49 PM 1/2/97 +0000, you wrote:
>In my last posting I mis-typed the voltage of the Burgess dry battery being
>sold by American Science and Surplus. It's supposed to be 22 1/2V. Perhaps
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>I usually make more sense than that, sigh.
>
>--73--
>
>--Jeff Duntemann KG7JF
> Scottsdale, Arizona

Jeff, To help you make sense more consistently ---
I'm looking at an ancient (1986) tome here called Complete Turbo Pascal written by a sage called Jeff who lived in Maryland. He made quite a bit of sense except he constantly left the "h" out of Paschal. Suggest you read some of his works and emulate him.

73 Bob Paschal AA0MC

Date: Thu, 2 Jan 1997 17:27:11 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>
To: glowbugs@theporch.com
Subject: Re: Vfos and what would YOU do for a good general one?
Message-ID: <199701030126.UAA25214@news2.mnsinc.com>

Weeeeell... the Vackar VFO design is out there on the web...

I think the hardest part is getting good stability.

Valve VFOs tend to drift, PERIOD!

Mine needs about a 45 minute warm up before it even begins to get stable enough to use on the air! I could show you the circuit diagram from the old Geloso 6CL6-5763 device if anyone is interested.

On 2 Jan 97 at 14:28, rdkeys@csemail.cropsci.ncsu.e chatted merrily:

> Date: Thu, 2 Jan 1997 14:28:13 -0600 (CST)
> Reply-to: rdkeys@csemail.cropsci.ncsu.edu
> From: rdkeys@csemail.cropsci.ncsu.edu
> To: Multiple recipients of list <glowbugs@theporch.com>
> Subject: Vfos and what would YOU do for a good general one?

> Holiday thinkin' an' head bangin' brought me to the conclusion that I need
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 > dials would be of use. A 0-1000 dial would be fine, or maybe some
 > sort of inexpensive dial drive more precision than a Velvet Vernier.
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 > it, but for the sake of glowebugge discussion, let us hear how YOU would
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 > Some of this was discussed back before xmas, but I think it is a worthy
 > thread to spin around some more.
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 > 73/ZUT DE NA4G/Bob UP
 >
 >
 >
 >
 >

Date: Thu, 2 Jan 1997 17:30:00 +0000
 From: "Brian Carling" <bry@mail1.mnsinc.com>
 To: glowbugs@theporch.com
 Subject: Re: Vfos and what would YOU do for a good general one?
 Message-ID: <199701030129.UAA25367@news2.mnsinc.com>

If you key the doubler, then you still have to listen to the VFO as soon as you switch to transmit, and you get a LOUD backwave while monitoring the keyed signal! I know ... that is what I am doing now - keying both the driver and p.a. with a free-running VFO. Not good!

On 2 Jan 97 at 18:18, Murray Kelly chatted merrily:

> Date: Thu, 2 Jan 1997 18:18:02 -0600 (CST)
 > Reply-to: mkelly@faraday.dialix.com.au
 > From: Murray Kelly <mkelly@faraday.dialix.com.au>
 > To: Multiple recipients of list <glowbugs@theporch.com>
 > Subject: Re: Vfos and what would YOU do for a good general one?

. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him <>< .
.....

Date: Thu, 02 Jan 1997 19:53:01 -0500
From: Conard Murray <ws4s@InfoAve.Net>
To: bry@mail1.mnsinc.com
Cc: glowbugs@theporch.com
Subject: Re: Vfos and what would YOU do for a good general one?
Message-ID: <2.2.32.19970103005301.0075e958@infoave.net>

At 07:31 PM 1/2/97 -0600, Bry wrote:

>If you key the doubler, then you still have to listen to the VFO as
>soon as you switch to transmit, and you get a LOUD backwave while
>monitoring the keyed signal! I know ... that is what I am doing now -
>keying both the driver and p.a. with a free-running VFO. Not good!
>

Yup ... that is what I was afraid of. If it was built 'properly' with decent
shielding, then keying the buffer/doubler/mixer would reduce the output to a
low enough level so QSK would be usable. I have seen this work (once) but I
wouldn't want to design a rig that way.

73 de Conard WS4S

.....
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him <>< .
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Date: Thu, 02 Jan 1997 19:40:59 -0700
From: Doug <doug@sunrise.alpinet.net>
To: glowbugs@theporch.com
Subject: Re: Schematic needed
Message-ID: <32CC71BB.64E6@alpinet.net>

Hi Brain and the bunch...OK...I'll whip up two copies and send one off
to you. I built the little bugger and had a delegation of two OT's at
my folk's door to talk to me about the finer points of harmonic
suppression, so I speak about that one from experience. This little rig
was what got me into ARC-5's...and it wasn't necessarily by choice!

Doug, K7YD

Brian Carling wrote:

```
>
> Doug, if you would care to make an extra copy of that article and
> mail it to me - I will scan it and put it up for all to see at the
> N6EV web site!
>
> Brian Carling AF4K
> 18016 Fertile Meadow Court
> Gaithersburg, MD 20877 USA
>
> On 1 Jan 97 at 23:12, Doug chatted merrily:
>
> > Date: Wed, 1 Jan 1997 23:12:41 -0600 (CST)
> > Reply-to: doug@sunrise.alpinet.net
> > From: Doug <doug@sunrise.alpinet.net>
> > To: Multiple recipients of list <glowbugs@theporch.com>
> > Subject: Re: Schematic needed
>
> > Hi James...that same project was in the 1950 Handbood, which I have.
> > Not to mention the fact that same rig was my first effort at getting
> > on the air....back in 1960. So, let me know what your address is and
> > I'll try to get a resonable copy for you...good enough to build it
> > anyhow. One note of caution....that rig was a real harmonic producer
> > and is link coupled to the antenna...hi impedance feed. So, unless
> > you want to do a redesign, I'd be carefull how you use it and watch
> > for them sneaky little 'monics. It's a fun project, uses #18 bell
> > wire for the coils.
> >
> > Let me know...
> >
> > 73
> >
> > Doug Dunn, K7YD
> > Livingston, MT
> >
> > James Janack wrote:
> > >
> > > I was talking with my dad (WA2DWU) a few days ago. I told him how I
> > > could remember that Christmas of 1956 when I was 9 years old and
> > > received a box of parts that my dad had gathered. Also how "we" had
> > > assembled all those parts and by New Years Day 1957 had built a one
> > > tube regen receiver. He had been interested in hamming since the 30's.
```

> > > We took our novice exams in Dec '58 (I was 11). I got WV2DRP.
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> > > Anyway he said the schematic was in "How to become a Radio Amateur."
> > > If my memory serves me, that issue also had a 6V6 XMTR that was
> > > constructed on two wooden slats and used a hand wound coil on some
> > > sticks.
> > >
> > > My dad's birthday is coming up in Feb and I thought it would be fun to
> > > give him the "kit". I would like get a copy of the schematic or
> > > article. Anyone out there have an issue of that publication to sell,
> > > or could copy or scan?? I would gladly pay for this.
> > >
> > > Thanks and best wishes to all in '97.
> > >
> > > 73, Jim N2JJ
> > >
> > > n2jj@ix.netcom.com
> >
> >
> *****
> *** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
> ** E-mail to: bry@mnsinc.com *
> *** See the great ham radio resources at: *
> ** <http://www.mnsinc.com/bry/> *
> *****

Date: Thu, 2 Jan 1997 21:53:54 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: TMOLL@aol.com
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: NC-183 Restoration
Message-ID: <Pine.ULT.3.95.970102215151.19295B-100000@admin.aurora.edu>

On Thu, 2 Jan 1997 TMOLL@aol.com wrote:

>). Anyway - some observations and questions. The pots in this thing were
> apparently some "premium grade". They are almost completely sealed - can't
> even find a spot to squirt some contact cleaner in to most of them.

I have run across a lot of gear using sealed (mostly Allen Bradley, I think) pots that were quite noisy. I ended up drilling a small hole in the back so I could inject cleaner (I do the same thing with those sealed G.E. / Telechron clock motors).

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-5530

Date: Thu, 2 Jan 1997 20:30:59 +0000
From: "Brian Carling" <bry@mail1.mnsinc.com>
To: glowbugs@theporch.com
Subject: Re: Schematic needed
Message-ID: <199701030430.XAA07837@news2.mnsinc.com>

Related to this - I just found an article on the Internet about building an AM transmitter using the 117N7.

There is probably a similar version that could be used on the amateur radio bands with ease if someone wants to risk using the power line directly and doesn't mind QRP!

It's at:

<http://www.accessone.com/~philn/lil7.htm>

He's got the schematic, parts list, sources for parts etc.
While intended for the Medium Wave broadcast band, I think you guys might like seeing this one - grin!
Enjoy!

On 2 Jan 97 at 20:43, Doug chatted merrily:

> Date: Thu, 2 Jan 1997 20:43:09 -0600 (CST)
> Reply-to: doug@sunrise.alpinet.net
> From: Doug <doug@sunrise.alpinet.net>
> To: Multiple recipients of list <glowbugs@theporch.com>
> Subject: Re: Schematic needed

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> > > > n2jj@ix.netcom.com

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End of GLOWBUGS Digest 402
